

SUNNYVALE *California* **RESIDENTIAL GAS PIPING**

A plumbing permit is required to replace, add or extend any gas piping. Permits are required prior to installation or replacement of gas piping.

Permit Issuance

Residential re-pipe permits can be obtained on-line at www.e-OneStop.net when adding a new gas line from the meter or replacing an existing line. Permits can also be obtained at the One-Stop Permit Center. Following are requirements from the 2001 California Plumbing Code:

- If extending or tapping off of an existing gas line, sizing calculations must be completed to ensure the gas piping is adequate to serve all existing and new appliances. Provide a diagram that shows the size, location, and length of run of the existing and proposed gas line(s) and location and BTUs of all appliances served to the One-Stop Permit Center. Building Division staff can assist in completing the necessary calculations.
- Gas pipe material shall be as follows:
 - Indoor installation: wrought iron or steel (galvanized or black), yellow brass, or copper (type K, L, or ACR)
 - Outdoor, above ground installation: galvanized wrought iron or galvanized steel
 - Underground installation: factory-coated material listed for underground gas line installation and installed in accordance with the manufacturer's requirements. Fittings may be wrapped in the field with an approved material. When using non-metallic pipe, an 18 AWG yellow continuous wire must be attached to the exterior of the pipe.
- Unions (inline couplings) are only permitted downstream (after) appliance shut-off valves, meter locations, and immediately downstream on building shut-off valves. The use of right/left couplings and nipples are required in all other locations.
- Shut-off valves are required ahead of all gas appliances. They must remain accessible from the same rooms as the appliance and shall be within three feet of the appliance.
- Pipes shall be supported as follows:

GAS PIPE SUPPORT REQUIREMENTS	
Size of Pipe	Pipe Support Distance (maximum)
1/2"	6'
3/4" to 1"	8'
1-1/4" or larger-Horizontal	10'
1-1/4" or larger-Vertical	Every Floor

Inspections Required

Two inspections are required; a rough plumbing and a final. The rough plumbing inspection should be scheduled when the new gas lines are installed but before they are connected to the gas service. A pressure test inspection will be done to verify the piping will stand a pressure of 10 pounds per square inch for 15 minutes. The gauge provided shall be accurate to 1/10 of one pound and have a pressure range of not more than 20 pounds. All testing equipment is to be provided by the permittee.

The final inspection should be scheduled after all the work has been completed.

If you have any questions, please call the City of Sunnyvale Building Division at (408) 730-7444. Information is also available on the Building Division web site at: www.sunnyvalebuilding.com.